

ABSTRACT

A spring-loaded operating mechanism for a rectilinear motion circuit-breaker

A spring-loaded operating mechanism for a rectilinear motion circuit-breaker, for performing an open-close-reopen cycle, said mechanism operating on an operating rod (3) of the circuit-breaker and comprising a closing spring (10) and an opening spring (11), said opening spring (11) operating on said operating rod (3), characterized in that the closing spring (10) operates on the end of a crank (25) whose other end is connected to a shaft (27) fastened to a flywheel (26) and on which is mounted a closing cam (28) which cooperates with a roller (17) on said operating rod (3), in that a closing pawl (34) retains the closing spring (10) in a compressed position, opening this pawl releasing the closing spring (10) and causing rotation of said cam (28) in the direction in which it closes the circuit-breaker and rearms the opening spring (11), and in that it comprises a rearming motor (29) coupled by a freewheel mechanism (32) to said shaft (27), a pawl (33) for triggering opening retaining the operating rod (3) against the force of said opening spring (11) in the closed position of the circuit-breaker and being adapted to receive an opening command.

Fig. 2